

# ETSI TS 138 508-2 V16.8.0 (2021-08)



**5G;**  
**iTeh STANDARD PREVIEW**  
**LTE;**  
**(standardsiteh.ai)**  
**5G;**

**User Equipment (UE) conformance specification;**  
**Part 2: Common Implementation Conformance Statement (ICS)**  
**proforma**  
**(3GPP TS 38.508-2 version 16.8.0 Release 16)**



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**Reference**

RTS/TSGR-0538508-2vg80

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**Keywords**

5G,LTE

**ETSI**

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# Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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# Contents

Intellectual Property Rights .....	2
Legal Notice .....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions, symbols and abbreviations .....	6
3.1 Definitions .....	6
<b>Annex A: Void .....</b>	<b>7</b>
<b>Annex B (informative): Change history .....</b>	<b>8</b>
History .....	12

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# Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

The present document is part 2 of a multi-part deliverable covering the 5G System (5GS) User Equipment (UE) protocol conformance specification, as identified below:

- 3GPP TS 38.508-1 [11]: "5GS; User Equipment (UE) conformance specification; Part 1: Common test environment".
- 3GPP TS 38.508-2: "**5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma**" (the present document).

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# 1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 5G New Radio (NR) User Equipment (UE), in compliance with the relevant requirements.

Special conformance testing functions can be found in 3GPP TS 38.509 [12] and 3GPP TS 36.509 [14] and the common test environments are included in 3GPP TS 38.508-1 [11] and 3GPP TS 36.508 [13].

The present document is valid for UE implemented according to 3GPP Releases starting from Release 15 up to the Release indicated on the cover page of the present document.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] to [25] (void)

[26] 3GPP TS 38.508-2 Release 17: "5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma "

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## 3 Definitions, symbols and abbreviations

### 3.1 Definitions

The requirements of the present document are provided in 3GPP TS 38.508-2 Release 17 [26].

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## Annex A: Void

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## Annex B (informative): Change history

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Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-12	RAN5#77	R5-176852	-	-	-	Introduction of TS 38.508-2	0.1.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182069	-	-	-	Addition of several required PICS	0.2.1
2018-05	RAN5#79	R5-183271	-	-	-	Addition of Missing PICS	1.0.0
2018-06	RAN#80	RP-181208	-	-	-	put under revision control as v15.0.0 with small editorial changes	15.0.0
2018-09	RAN#81	R5-185161	0001	1	F	Addition of PICS	15.1.0
2018-12	RAN#82	R5-187040	0010	-	F	Addition of new band into RF baseline implementation capabilities	15.2.0
2018-12	RAN#82	R5-187777	0011	1	F	Addition of PICS	15.2.0
2019-03	RAN#83	R5-192365	0020	1	F	Introduction of Physical Layer Baseline Implementation Capabilities for NR CA, NR DC and EN-DC	15.3.0
2019-03	RAN#83	R5-192706	0019	1	F	Introduction of Non 3GPP Access over WLAN PICS	15.3.0
2019-03	RAN#83	R5-192746	0017	1	F	Addition of Capability for test cases	15.3.0
2019-03	RAN#83	R5-192747	0018	1	F	PICS Update	15.3.0
2019-03	RAN#83	R5-192748	0021	1	F	Add UE capability PDU	15.3.0
2019-06	RAN#84	R5-193576	0027	-	F	Update of Clause 2 References of 38.508-2	15.4.0
2019-06	RAN#84	R5-193577	0028	-	F	Introduction of Table A.4.3.2A.2.1-3 configuration for FR1 Intra-band contiguous CA	15.4.0
2019-06	RAN#84	R5-193756	0030	-	F	Addition of UE capability for mobility	15.4.0
2019-06	RAN#84	R5-195137	0036	1	F	Addition of ICS for FR2 Multiband Relaxation declaration	15.4.0
2019-06	RAN#84	R5-195331	0031	1	F	PICS update	15.4.0
2019-06	RAN#84	R5-195428	0035	2	F	Resubmission: Addition of optional UE capabilities for Demod	15.4.0
2019-06	RAN#84	R5-195052	0029	1	F	Addition of CA_n41C CA_n66B and CA_n71B	16.0.0
2019-09	RAN#85	R5-197225	0037	1	F	Addition and Update of PICS	16.1.0
2019-09	RAN#85	R5-197440	0038	1	F	Addition of NR FR1 intraband non-contiguous and interband CA tables with combinations CA_66(2A), CA_n66A-n70A, CA_n66A-n71A, CA_n70A-n71a, CA_n66B-n70A, CA_n66(2A)-n70A, CA_n66(2A)-n71A to 38.508-2	16.1.0
2019-09	RAN#85	R5-197442	0045	1	F	Updates of SA and NSA information	16.1.0
2019-09	RAN#85	R5-197510	0044	1	F	Update to 38.508-2 for 4Rx handling	16.1.0
2019-12	RAN#86	R5-198169	0049	-	F	Introduction of UE capabilities for Rel-16 NR CA and EN-DC configurations	16.2.0
2019-12	RAN#86	R5-198349	0051	-	F	Addition of NR FR1 intraband non-contiguous and interband CA tables with combinations CA_n66B-n71A, CA_n66A-n70A-n71A, CA_n66B-n70A-n71A, CA_n66(2A)-n70A-n71A to 38.508-2	16.2.0
2019-12	RAN#86	R5-198873	0047	1	F	Add GAP pattern to PICS	16.2.0
2019-12	RAN#86	R5-198963	0048	1	F	Introduction of UE capabilities for Rel-15 NR CA, NR DC and EN-DC configurations	16.2.0
2019-12	RAN#86	R5-198964	0050	1	F	Introduction of UE capabilities for new Rel-16 NR bands and new SDL band n29 associated NR CA configuration CA_n29A-n66A	16.2.0
2019-12	RAN#86	R5-199076	0056	2	F	Addition of new PICS needed for testing	16.2.0
2019-12	RAN#86	R5-199305	0052	1	F	Update to 38.508-2 regarding 4Rx antenna ports capability	16.2.0
2019-12	RAN#86	R5-199312	0058	-	F	Correction to n66 intra-band CA Physical Layer Baseline Implementation Capabilities	16.2.0
2019-12	RAN#86	R5-199462	0054	2	F	EN-DC bands Implementation Conformance Statement (ICS) proforma Updates	16.2.0
2019-12	RAN#86	R5-199482	0053	1	F	Physical Layer Baseline Implementation Capabilities for Beam Correspondence	16.2.0
2020-03	RAN#87	R5-200558	0065	-	F	Beam Correspondence Mnemonic name update	16.3.0
2020-03	RAN#87	R5-200592	0067	-	F	Corrections on categories of NR DC and EN-DC physical layer capabilities in 38.508-2	16.3.0
2020-03	RAN#87	R5-200598	0068	-	F	Introduction on supported inter-band EN-DC configurations in 38.508-2	16.3.0
2020-03	RAN#87	R5-200636	0070	-	F	Corrections and Addition of NR PICS	16.3.0
2020-03	RAN#87	R5-200903	0059	1	F	Additional UE Power Class declaration	16.3.0
2020-03	RAN#87	R5-200923	0062	1	F	Introduction of UE capabilities for n95 SUL band	16.3.0
2020-03	RAN#87	R5-200969	0066	1	F	Corrections on categories of NR CA physical layer capabilities in 38.508-2	16.3.0
2020-03	RAN#87	R5-200970	0069	1	F	Adding modified MPR behaviour to physical layer capabilities	16.3.0
2020-03	RAN#87	R5-201062	0064	1	F	Introduction of UE capabilities for Rel-16 EN-DC configurations	16.3.0
2020-03	RAN#87	R5-201123	0060	1	F	Correction to NR TC PICS	16.3.0
2020-06	RAN#88	R5-201923	0075	-	F	Addition of TDD-TDD PC2 inter-band EN-DC UE RF Baseline implementation Capabilities declaration	16.4.0
2020-06	RAN#88	R5-202108	0077	-	F	Updates on UE capability for Rel-15 NR CA configuration	16.4.0
2020-06	RAN#88	R5-202226	0079	-	F	Update NR intra-band contiguous CA implementation capabilities in 38.508-2	16.4.0
2020-06	RAN#88	R5-202228	0080	-	F	Update RF baseline implementation capabilities in 38.508-2	16.4.0
2020-06	RAN#88	R5-202446	0082	-	F	Addition of EN-DC configurations DC_41C_n41A and DC_41D_n41A	16.4.0